

Converting Colors

CIELCh(34, 51.872, 239.481)

Have a look what the booklet for
CIELCh(34, 51.872, 239.481)
contains.

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Color

CIELCh(38, 37.666, 268.236)

Conversions

Conversions Part 1

Format	Color
Hex	005D96
RGB	0, 93, 150
RGB Percent	0%, 36%, 59%
CMY	1.0000, 0.6339, 0.4106
CMYK	1.00, 0.38, 0.00, 0.41
HSL	203°, 100%, 29%
HSV	203°, 100%, 59%
XYZ	9.4458, 10.0881, 30.4236
YIQ	71.6910, -73.7250, -1.9890

Conversions

Conversions Part 2

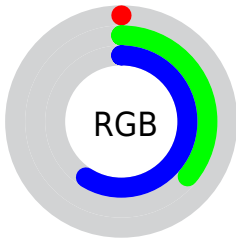
Format	Color
RYB	0, 57, 150
Decimal	23958
CIELab	38.00, -1.16, -37.65
CIELCh	38, 37.666, 268.236
Yxy	10.0881, 0.1891, 0.2019
Android (android.graphics.Color)	4278214038 (0xFF005D96)
YUV	71.6910, 38.6063, -62.8730
Hunter-Lab	31.7617, -2.4977, -34.5590

Details

The CIELCh color **38, 37.666, 268.236** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **37, 60.701, 52.401**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 37.833, 268.688**, and **20, 35.049, 282.606** is the 20% darker color. If you saturate the color by 10%, you get **38, 37.620, 268.411**, and if you desaturate by 10%, it is **40, 34.687, 263.711**.

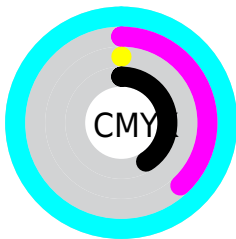
Distribution



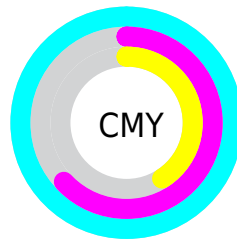
- Red (0%)
- Green (36%)
- Blue (59%)



- Red (0%)
- Yellow (22%)
- Blue (59%)



- Cyan (100%)
- Magenta (38%)
- Yellow (0%)
- Black (41%)





- Cyan (100%)
- Magenta (63%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 37.666, 268.236 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 38, 37.666, 268.236 by changing the saturation by 10% instead.


 38, 37.666,
268.236


 38, 37.666,
268.236

 100, 37.666,
268.236


 28, 37.666,
268.236

 58, 37.666,
268.236


 18, 37.666,
268.236


 68, 37.666,
268.236

 8, 37.666, 268.236

 78, 37.666,
268.236

 0, 37.666, 268.236

 88, 37.666,
268.236

 98, 37.666,
268.236

■ 38, 37.666,
268.236

■ 38, 37.666,
268.236

■ 38, 37.620,
268.411

■ 40, 34.687,
263.711

■ 42, 31.759,
259.239

■ 44, 28.664,
255.335

■ 47, 25.326,
252.024

■ 49, 21.708,
249.267

■ 52, 17.811,
246.997

■ 54, 13.656,
245.141

■ 57, 9.278, 243.630

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



38, 37.666, 268.236



37, 60.701, 52.401

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38, 37.666, 268.236



38, 37.666, 318.236



38, 37.666, 88.236



38, 37.666, 138.236

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



38, 37.620, 268.411



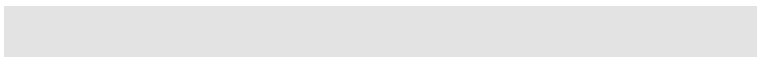
69, 16.960, 245.244



54, 67.374, 143.755



35, 11.567, 245.929



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38, 37.620, 268.411



49, 46.537, 269.548



19, 83.027, 303.953



30, 2.632, 242.335



35, 35.099, 267.973



1, 2.333, 241.327

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



32, 59.673, 350.593



43, 72.443, 351.229



55, 59.715, 93.589



29, 4.424, 338.279



30, 56.070, 350.354



1, 3.837, 337.654

Previews

White Background



This preview shows how the CIELCh color 38, 37.666, 268.236 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 38, 37.666, 268.236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

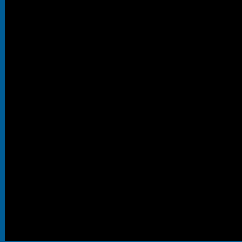
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 37.666, 268.236

Background



This preview shows how black text looks on a background with the CIELCh color 38, 37.666, 268.236.



This preview shows how white text looks on a background with the CIELCh color 38, 37.666, 268.236.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

38, 37.650, 268.579

Protanopia

38, 35.211, 285.295

Deuteranopia

38, 38.351, 278.770



Tritanopia
38, 24.405, 206.902

Trichromacy



Original Color
38, 37.650, 268.579

Protanomaly
38, 36.259, 276.090

Deuteranomaly
38, 38.467, 274.204

Tritanomaly
38, 25.567, 234.758

Monochromacy



Original Color
38, 37.650, 268.579

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 16.590, 248.528

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 37.666, 268.236 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 93, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 93, 150)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 93, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 93, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 37.666, 268.236 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 93, 150) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 93, 150) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 93, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 93, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 93, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 93, 150)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 37.666, 268.236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 93, 150) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 93,  
150) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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